NEUTRIK



NE8FBV-C5-LED1

Vertical PCB mount RJ45 receptacle, CAT5e, two light pipes for SMD-LEDs, B-Series cutout with latch lock, max. panel thickness 3 mm

The etherCON Series is a ruggedized and lockable RJ45 connector system, optimized for pro audio, video and lightning network applications. The chassis connectors are shaped to fit into standardized panels out of the entertainment industry.

The B-Series offers a space saving design and a rugged metal front plate.

Attention! Does not intermate with CAT6 cable connector NE8MC6-MO and NKE6S* cables..

Features & Benefits

- Vertical PCB design at 24 mm distance to front panel – fits the widely accepted industry standard dimension for XLRs, 1/4" jacks etc.
- Accommodates rugged etherCON NE8MC* or any standard RJ45 plug
- Approved latch lock system
- Ground panel connection
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt
- CAT5e according to ISO/IEC 11801 and TIA/EIA 568A/B

Technical Information

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Product	
Title	NE8FBV-C5-LED1
Gender	female

Electrical	
Contact resistance	< 50 mΩ
Dielectric strength	1 kVdc
Frequencyrange	1 - 100 MHz
Insulation resistance	> 0.5 GΩ
Rated current per contact	1.5 A
Rated voltage	≤ 57 V
Transmission performance	CAT5e acc. to TIA/EIA 568A/B component specifications CAT5e acc. to ISO/IEC 11801 component specifications
Power over Ethernet	PoE type 4 class 8 (100W) acc. IEEE 802.3bt

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Mechanical	
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Panel thickness	max. 3 mm (0.12")
Wiresize	
Wiring	vertical PCB mount
Locking device	Latch lock
Mounting direction	Rear mounting
Chassis shape	B
Recommended LED-height	0.75 mm (0.3“) The final LED brightness depends on the actual LED height and the angel of radiation. Subject to be tested!
Mounting	A-Screw

Material	
Contact plating	0.2 µm Au over Ni plating
Contacts	Bronze (CuSn8)
Shell	PBT D202G30
Locking element plating	Nickel

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Environmental	
Flammability	UL 94 V-0
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C
Standard compliance	ISO/IEC 11801-1 Ed. 1.0 (2017-11) IEC 60603-7-3 Ed.2.0 (2010-04) IEC 60512-99-002 Ed.2.0 (2022-01) IEC 60512-9-3 (2011-06)

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